For Research Use Only

CoraLite® Plus 647 Anti-Mouse CD45.2 Rabbit Recombinant Antibody

Catalog Number:CL647-98168

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
CL647-98168

Size:
100ug , 500 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:

GeneID (NCBI):
19264

Full Name:
protein tyrosine phosphatase, receptor type, C

Purification Method:
Protein A purification

CloneNo.:
240922E12

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in 100 µl suspension

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : C57BL/6 mouse splenocytes,

Background Information

CD45, also known as protein tyrosine phosphatase, receptor type C, is a type I transmembrane protein expressed on the surface of all haematopoietic cells with the exception of erythrocytes and platelets (PMID: 3489673; 28615666). CD45 is a pan-haematopoietic cell marker and has been shown to be essential for T- and B-cell activation and signalling (PMID: 9429890; 16378097). Allelic variants of mouse CD45, CD45.1 (Ly5.1) and CD45.2 (Ly5.1), have been established as a marker system to track haematopoietic cells following congenic mouse bone marrow transplants (PMID: 28615666). CD45.2 is the common form and is expressed by most of the established strains, while CD45.1 is found in only a few like the SJL mouse strain (PMID: 3489673).

Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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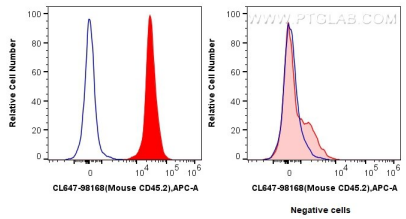
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10^6 C57BL/6 mouse splenocytes (left) or SJL mouse splenocytes (right) were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD45.2 Rabbit Recombinant Antibody (CL647-98168, Clone:240922E12)(red) or CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-98136, Clone: 240953C9) (blue). Cells were not fixed.